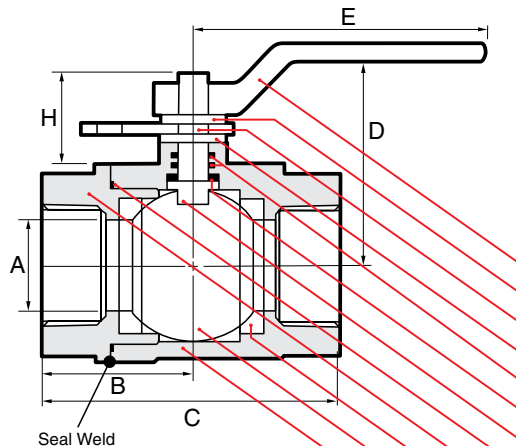
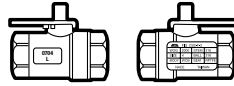


C Series Carbon Steel Sealwelded Ball Valves

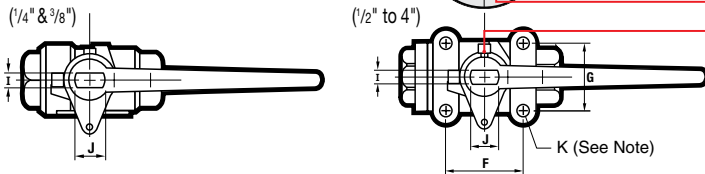
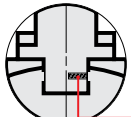
CSS-F-2/CSS-R-2

FIG CSS-F-2				FIG CSS-F-2			
WOG	3000	STEM	316	WOG	2000	STEM	316
SIZE	1	BALL	316	SIZE	4	BALL	316
BODY	WCB	SEAT	RPTFE	BODY	WCB	SEAT	RPTFE

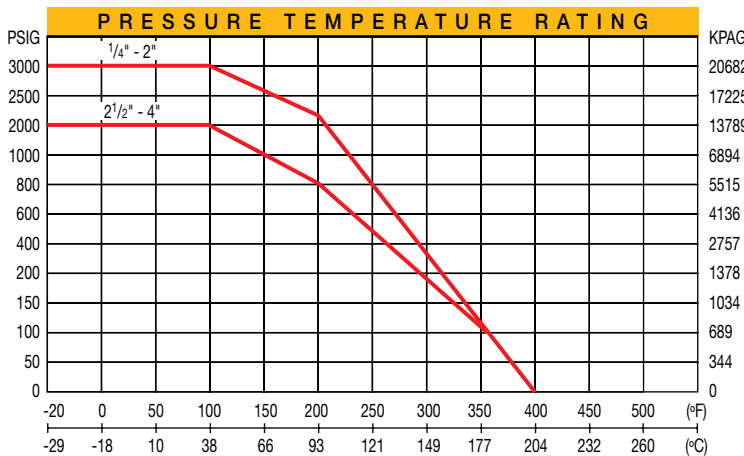
NACE
SIZE 1/4" - 2"



anti-static design



• mounting pads on 2" are tapped. All others have reserve holes. Recommended tapping sizes listed for reference only (1/4" & 3/8" not provided with mounting pads).



- Full port
- NPT to ANSI B1.20.1
- Full sealwelded 2 piece body
- Blowout-proof stem
- Anti-static device
- Locking device
- Actuator mounting pad
- 3000 PSI, W.O.G. 1/4" to 2"
- 2000 PSI, W.O.G. 2 1/2" to 4"
- Comply to NACE MR-01-75-2002 & MR-01-03



4.5

* Optional 2" CSS-R-2 large port

NAME / MATERIAL

1. Handle / Ductile Iron A536 Grade 65-45-12
2. Retainer Spring / Carbon Steel
3. Lockable Stop Plate / Carbon Steel Plated
4. Stem Bearing / Nylon
5. Packing / Viton O-Rings (2)
6. Thrust Washer / Reinforced Teflon 15% GFT
7. Stem / Stainless Steel A276 Type 316
8. Gasket / Viton O-Ring (1)
9. Cap / Cast Steel A216 WCB
10. Seat / Reinforced Teflon 15% GFT
11. Ball / Stainless Steel A351-CF8M (316)
12. Body / Cast Steel A216 WCB
13. Spring & Pin / Stainless Steel A276 Type 304
14. Screw / Carbon Steel A307

D I M E N S I O N S

size	CSSF-2										CSSR-2	
	8	10	15	20	25	32	40	50	65	80	100	*50
mm/in	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	2
A	9.50	9.50	12.70	20.00	24.00	31.80	38.10	50.80	65.00	78.00	100	38.10
mm/in	0.374	0.374	0.500	0.787	0.945	1.252	1.500	2.000	2.559	3.071	3.937	1.500
B	30.30	30.30	35.00	45.00	48.00	54.10	58.00	67.45	81.90	89.95	105.5	57.00
mm/in	1.193	1.193	1.378	1.772	1.890	2.130	2.283	2.655	3.224	3.541	4.154	2.244
C	62.00	62.00	69.00	85.00	93.00	105.0	116.0	134.0	164.0	180.0	211.0	116.0
mm/in	2.441	2.441	2.717	3.346	3.661	4.134	4.567	5.276	6.457	7.086	8.307	4.567
D	51.50	51.50	54.50	64.30	67.40	75.00	81.00	92.00	114.80	124.80	141.0	66.50
mm/in	2.028	2.028	2.146	2.531	2.654	2.953	3.189	3.622	4.520	4.913	5.551	3.406
E	130	130	130	160	160	230	230	230	400	400	460	230
mm/in	5.120	5.120	5.120	6.300	6.300	9.060	9.060	9.060	15.750	15.750	18.11	9.060
F			25.40	44.20	44.20	47.20	47.20	47.20	70.00	70.00	88.40	47.10
mm/in			1.000	1.740	1.740	1.858	1.858	1.858	2.750	2.750	3.480	1.854
G			35.00	41.00	44.00	54.00	60.00	74.00	81.00	92.00	125.0	60.00
mm/in			1.378	1.614	1.732	2.126	2.362	2.913	3.189	3.622	4.921	2.362
H			19.00	25.00	23.50	33.50	33.50	32.00	38.50	38.00	57.00	36.30
mm/in			0.748	0.984	0.925	1.319	1.319	1.260	1.516	1.496	2.244	1.429
I	5.90	5.90	5.90	8.00	8.00	12.00	12.00	12.00	14.00	14.00	17.00	12.00
mm/in	0.232	0.232	0.232	0.315	0.315	0.472	0.472	0.472	0.551	0.551	0.669	0.472
J	9.70	9.70	9.70	11.70	11.70	16.90	16.90	16.90	20.90	20.90	28.90	16.90
mm/in	0.382	0.382	0.382	0.461	0.461	0.665	0.665	0.665	0.823	0.823	1.138	0.665
K			M6	M6	M6	M8	M8	M8	M8	M8	M8	M8
CV	11	11	15	45	65	125	175	380	500	900	1250	108
Weights	0.354	0.346	0.530	0.940	1.350	2.390	2.980	4.520	8.960	12.650	21.310	2.980
kg/lb	0.779	0.761	1.166	2.068	2.970	5.258	6.556	9.944	19.712	27.830	46.882	6.556